ELSEVIER

Bioenergetics
(including Reviews on Bioenergetics)
Vol. 1275, 1996

BBA Biochimica et Biophysica Acta

Author Index

Andersen, J.P. and Sørensen, T.
Site-directed mutagenesis studies of energy coupling in the sarcoplasmic reticulum Ca^{2+}-ATPase (1275) 118
Antonenko, Y.N., see Rokitskaya, T.I. (1275) 221
Arosio, P., see Harrison, P.M. (1275) 161

Bakker, B.M., see Teusink, B. (1275) 204
Bernardi, P.
The permeability transition pore. Control points of a cyclosporin A-sensitive mitochondrial channel involved in cell death (1275) 5
Bisaccia, F., see Palmieri, F. (1275) 127
Brandt, U.
Energy conservation by bifurcated electron-transfer in the cytochrome-bc_1 complex (1275) 41
Brasseur, G., Sarıbaş, A.S. and Daldal, F.
A compilation of mutations located in the cytochrome *b* subunit of the bacterial and mitochondrial bc_1 complex (1275) 61
Breton, J. and Nabedryk, E.
Protein–quinone interactions in the bacterial photosynthetic reaction center: light-induced FTIR difference spectroscopy of the quinone vibrations (1275) 84
Bulygin, V.V., see Zhou, Y. (1275) 96

Cammack, R., see Medina, M. (1275) 227
Capobianco, L., see Palmieri, F. (1275) 127
Cross, R.L., see Zhou, Y. (1275) 96

Daldal, F., see Brasseur, G. (1275) 61
Deisenhofer, J., see Yu, C.-A. (1275) 47
De Meis, L., Wolosker, H. and Engelender, S.
Regulation of the channel function of Ca^{2+}-ATPase (1275) 105
Dolce, V., see Palmieri, F. (1275) 127
Duarte, M., Finel, M. and Videira, A.
Primary structure of a ferredoxin-like iron-sulfur subunit of complex I from *Neurospora crassa* (1275) 151
Duncan, T.M., see Zhou, Y. (1275) 96

Engelender, S., see De Meis, L. (1275) 105
Enomoto, H., see Nakamura, T. (1275) 157
Eriksson, A.C., see Glaser, E. (1275) 33

Fiermonte, G., see Palmieri, F. (1275) 127
Finel, M., see Duarte, M. (1275) 151
Fromme, P., Witt, H.T., Schubert, W.-D., Klukas, O., Saenger, W. and Krauß, N.
Structure of Photosystem I at 4.5 Å resolution: a short review including evolutionary aspects (1275) 76

García-Horsman, A., see Riistama, S. (1275) 1
Gardeström, P.
Interactions between mitochondria and chloroplasts (1275) 38
Garlid, K.D.
Cation transport in mitochondria – the potassium cycle (1275) 123
Germeroth, L., Reiländer, H. and Michel, H.
Molecular cloning, DNA sequence and transcriptional analysis of the *Rhodospirillum molischianum* B800/850 light-harvesting genes (1275) 145
Gilmour, R., see Krulwich, T.A. (1275) 21
Glaser, E., Sjöling, S., Szigyarto, C. and Eriksson, A.C.
Plant mitochondrial protein import: precursor processing is catalysed by the integrated mitochondrial processing peptidase (MPP)/bc_1 complex and degradation by the ATP-dependent proteinase (1275) 33
Gleissner, M., see Schäfer, G. (1275) 16
Guffanti, A.A., see Krulwich, T.A. (1275) 21

Harrison, P.M. and Arosio, P.
The ferritins: molecular properties, iron storage function and cellular regulation (1275) 161
Hatchikian, E.C., see Medina, M. (1275) 227
Hicks, D.B., see Krulwich, T.A. (1275) 21
Hutcheon, M.L., see Zhou, Y. (1275) 96

Iacobazzi, V., see Palmieri, F. (1275) 127
Indiveri, C., see Palmieri, F. (1275) 127
Itagaki, E., see Suzuki, K. (1275) 154
Ito, M., see Krulwich, T.A. (1275) 21
Iwata, S., see Link, T.A. (1275) 54
Iwata, S., see Riistama, S. (1275) 1

Kachurin, A.M., see Yu, C.-A. (1275) 47
Kim, H., see Yu, C.-A. (1275) 47
Klevanik, A.
Magnetic-field effects on primary reactions in Photosystem I (1275) 237
Klukas, O., see Fromme, P. (1275) 76
Kotova, E.A., see Rokitskaya, T.I. (1275) 221
Krauß, N., see Fromme, P. (1275) 76
Krulwich, T.A., Ito, M., Gilmour, R., Sturr, M.G., Guffanti, A.A. and Hicks, D.B.
Energetic problems of extremely alkaliphilic aerobes (1275) 21

Link, T.A. and Iwata, S.
Functional implications of the structure of the 'Rieske' iron-sulfur protein of bovine heart mitochondrial cytochrome bc_1 complex (1275) 54

Martonosi, A.N.
Structure–function relationships in the Ca^{2+}-ATPase of sarcoplasmic reticulum: facts, speculations and questions for the future (1275) 111
Medina, M., Hatchikian, E.C. and Cammack, R.
Studies of light-induced nickel EPR signals in hydrogenase: comparison of enzymes with and without selenium (1275) 227
Meunier, B., see Rich, P.R. (1275) 91
Michel, H., see Germeroth, L. (1275) 145
Michel, H., see Riistama, S. (1275) 1
Mitchell, R., see Rich, P.R. (1275) 91
Mizuguchi, M., see Suzuki, K. (1275) 154
Monshouwer, R. and Van Grondelle, R.
Excitations and excitons in bacterial light-harvesting complexes (1275) 70
Moody, A.J., see Rich, P.R. (1275) 91

Nabedryk, E., see Breton, J. (1275) 84
Nakamura, T., Enomoto, H. and Unemoto, T.
Cloning and sequencing of the *nhaB* gene encoding an Na^+/H^+ antiporter from *Vibrio alginolyticus* (1275) 157
Nelson, D.R.
The yeast ADP/ATP carrier. Mutagenesis and second-site revertants (1275) 133

Ohnishi, K., see Suzuki, K. (1275) 154

Pace, R.J., see Smith, P.J. (1275) 213
Palmieri, F., Bisaccia, F., Capobianco, L., Dolce, V., Fiermonte, G., Iacobazzi, V., Indiveri, C. and Palmieri, L.
Mitochondrial metabolite transporters (1275) 127
Palmieri, L., see Palmieri, F. (1275) 127
Peschek, G.A.
Cytochrome oxidase and the cta operon of cyanobacteria (1275) 27
Purschke, W.G., see Schäfer, G. (1275) 16
Puustinen, A., see Riistama, S. (1275) 1

Reiländer, H., see Germeroth, L. (1275) 145
Rich, P.R., Meunier, B., Mitchell, R. and Moody, A.J.
Coupling of charge and proton movement in cytochrome *c* oxidase (1275) 91
Richard, P.
Blocking one non-catalytic ADP binding site results in complete inhibition of the F-type ATPase from the thermophilic *Bacillus* PS3 (1275) 141
Riistama, S., Puustinen, A., García-Horsman, A., Iwata, S., Michel, H. and Wikström, M.
Channelling of dioxygen into the respiratory enzyme (1275) 1
Rokitskaya, T.I., Antonenko, Y.N. and Kotova, E.A.
Photodynamic inactivation of gramicidin channels: a flash-photolysis study (1275) 221

Saenger, W., see Fromme, P. (1275) 76
Sarıbaş, A.S., see Brasseur, G. (1275) 61
Schäfer, G., Purschke, W.G., Gleissner, M. and Schmidt, C.L.
Respiratory chains of archaea and extremophiles (1275) 16
Schmidt, C.L., see Schäfer, G. (1275) 16
Schubert, W.-D., see Fromme, P. (1275) 76
Senior, A.E., see Weber, J. (1275) 101
Sjöling, S., see Glaser, E. (1275) 33
Smith, P.J. and Pace, R.J.
Evidence for two forms of the $g = 4.1$ signal in the S_2 state of photosystem II. Two magnetically isolated manganese dimers (1275) 213
Sørensen, T., see Andersen, J.P. (1275) 118
Sturr, M.G., see Krulwich, T.A. (1275) 21
Suzuki, K., Mizuguchi, M., Ohnishi, K. and Itagaki, E.
Structure of chromosomal DNA coding for *Pseudomonas putida* S-1 salicylate hydroxylase (1275) 154
Szigyarto, C., see Glaser, E. (1275) 33

Teusink, B., Bakker, B.M. and Westerhoff, H.V.
Control of frequency and amplitudes is shared by all enzymes in three models for yeast glycolytic oscillations (1275) 204

Unemoto, T., see Nakamura, T. (1275) 157

Van Grondelle, R., see Monshouwer, R. (1275) 70
Videira, A., see Duarte, M. (1275) 151

Weber, J. and Senior, A.E.
F_1F_0-ATP synthase: development of direct optical probes of the catalytic mechanism (1275) 101
Westerhoff, H.V., see Teusink, B. (1275) 204
Wikström, M., see Riistama, S. (1275) 1
Witt, H.T., see Fromme, P. (1275) 76
Wolosker, H., see De Meis, L. (1275) 105

Xia, D., see Yu, C.-A. (1275) 47
Xia, J.-Z., see Yu, C.-A. (1275) 47

Yu, C.-A., Xia, J.-Z., Kachurin, A.M., Yu, L., Xia, D., Kim, H. and Deisenhofer, J.
Crystallization and preliminary structure of beef heart mitochondrial cytochrome-bc_1 complex (1275) 47
Yu, L., see Yu, C.-A. (1275) 47

Zhou, Y., Duncan, T.M., Bulygin, V.V., Hutcheon, M.L. and Cross, R.L.
ATP hydrolysis by membrane-bound *Escherichia coli* F_0F_1 causes rotation of the γ subunit relative to the β subunits (1275) 96
Zorov, D.B.
Mitochondrial damage as a source of diseases and aging: a strategy of how to fight these (1275) 10